

Influence of Roughness of Surface and Width of Solidic  
and Liquid Metals on Accuracy of Optical Measurement  
of Temperature, by B. V. Sturk and Yu. M. Shushkov

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, 1952,  
No 3, pp 395-404.

D.S.I.R.-Tr No CPG 5

Scientific - Chemistry

List No 49, Apr 1953

1670

Chief Factors in Determining Gas Capacity of  
Coals at Atmospheric Pressure, by I. L. Ettinger

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tek Nauk, 1952,  
No 3, pp 423-432.

D.S.I.R. T. No 6R CTS 15

Scientific - Fuels

List No 49, Apr 1953

1067

Heat of Activation in the Process of Surface Self-diffusion of Metals, by  
I. Fedorchenko  
RUSSIAN, per, Izvest. Akad. Nauk SSSR  
Otdel. Tekhn. Nauk, no. 4, 1952 PP.560-571  
\*CFSTI TT 70-57025

Sci/phys  
Feb 70

Works of V. P. Velchenkin on the Theory and Computation of Screw Propellers and Winged Motors.

UNCLASSIFIED

Full translation.

RUSSIAN, per, I A N SSSR, Otdel Tekhn Nauk, No 5,  
1952, pp 771-775.

ATIC F-TS-7994

USSR

Scientific - Propellers, motors, Academy of Sciences  
of USSR: TIC-5

Feb 53 CTG/DEX

Detection of Sources of Spontaneous Combustion of Coal in Mines, by G. L. Orlyanskaya,  
13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, No 6, 1952, pp 677-682. CIA D151227

Sci Tr Center RT-1967

Scientific - Geophysics Apr 55 CIS

22,820

Effusion Combustion of Carbon, by E. S. Golovina

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tek Nauk,  
1952, No 7, pp 1011-1025.

CIA/FAD X-2083  
D.S.I.R. Tr No T.C.L. 45  
C.T.S. 21

Scientific - Chemistry

44.105. (S.s. O.d.)

List No 49, Apr 1953

1091

The Theory of Surface Combustion, by Z. F. Chukhanov.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 8, 1952, pp 1160-1171.

CIA/FDD X-2074

35,338

USSR  
Sci - Chemistry Fuels  
Physics  
CTS/ dex June 1956

On a Method of Calculating the Endurance of Tooth  
Gears, by Ya. G. Kist'yan.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 8, 1952, pp 1226-1244.

NAVY TR 1184/BuShips 585

Scientific - Engineering  
CTS No 71

26, 400

Determination of Oxygen, Nitrogen, and Hydrogen  
Contents in Hard Steel, by R. A. Karasev, A. Yu.  
Poliaikov. UNCLASSIFIED

RUSSIAN, per Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Sep 1952, pp 1360-1368.

Navy Tr 999/BuShips 555

Scientific - Minerals/Metals  
8 pp (orig) May 54 CTS 14,030

Heat Transfer in Turbulent Motion of Liquid in  
Tubes, by M. A. Minheyev, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
1952, pp 1448-1454.

AEC Tr 3760

SAC - Rayd

Sep 59

96,726

The Kinetics of the Interaction of Metal and  
Slag From the Point of View of the Ionic  
Theory, by O. A. Esin, A. I. Okunev. UBCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, No 10, 1952, pp 1472-1482.

DSIR LLU M.1312

(loan)

Sci - Min/Met

May 60

116,589

Breaking Down of Crystal Blocks and Appearance of  
Microstresses in the Metal During Plastic Deformation,  
by B. M. Rovinskii and L. M. Rybakova, 7 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10,  
Moscow, Oct 1952, p 1483-1487.

NACA N-57216

USSR  
Sci - ~~Aeronautics~~ Engineering

25,809

Unsteady State Filtration of Gasified Liquid Through  
a Porous Medium, by M. D. Rozenbergh, 16 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 10, 1952, pp 1489-1500.

Sci Museum Lib No 54/0788

Scientific - Physics

May 54 CRS

14,115

Silicosis in the Mining Industry in the USSR,  
UMCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
no 10, 1952, pp 1578-1581.

DSIR LNU M.1346  
SLA 60-17181  
(loan)

Sci - Med  
Apr 60

112,687

Effect of Moisture on the Methane Content of Coal, by  
V. V. Khodot.  
RUSSIAN, per, Izvestiya AN SSSR, Otd Tekh Nauk., No 12,  
1952, pp 1802-1810.  
\*NTIS TT 72-53018

Mar 72

(FDD 21594)

Academician Aksel' Ivanovich Berg (On the Occasion of His 60th Birthday), by I. S. Dzhigit,  
12 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Akad Nauk No 12, Moscow, Dec 1973, pp 1869-1874.

CIA/FDD/U-6230

USSR  
Sci - Engineering, radio

18, 368

The Use of High-Frequency Current <sup>for</sup> for the Through  
Heating of Steel Bars, by V. P. Vologdin

RUSSIAN, per, Iz Ak Nauk SSSR, No 1, Jan 1953, pp 3-15.

Bratcher Tr 3285

Scientific - Minerals/Metals  
Jul CTS/DCK

Price \$5.90

15,968

Investigations of Wave Phenomena in Hydraulic Structures on Navigable Rivers and the Methods of Their Three-Dimensional Model Studies, by I. V. Egiazarov.

<sup>a</sup>  
RUSSIAN, per Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 2, 1953.

Dept of Int  
US Bur of Reclamation  
Tech Lib  
Denver, Colo.

Sci - Engr

90, 324

Jun 59

To the Question of a Unified Method of  
Determining the Strength of Coal, by  
M. M. Protod'yakov, 25 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdol  
Tekh Nauk, No 2, 1953, pp 283-298.

MDF P-123  
9093059

Sci  
Nov 61

173, 320

Comparative Evaluation of Results of Oxygen Analysis  
of Steel by Chemical as Against Vacuum-Fusion Methods,  
by V. A. Mcchedlishvili, A. M. Samarin

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3,  
1953, pp 378-382.

Bratcher Tr 3194

Scientific - Minerals/Metals  
CTS/DEX Price \$3.60

7849

On the Interrelation Between the Hydrodynamics of  
Steam-water Mixtures, the Temperature Distribution  
in a Metal and the Deposition of Easity Soluble  
Slats in Horizontal Steam-generating Pipes, by  
M. A. Stuyrikovich, Z. L. Miropolskiy, N. M. Anikin,  
9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, 1953, pp 432-440.

Sci Mu Lib Tr 55/0632

24,387 AERE 499

Scientific - Engineering

Jun 55 CTS

The Velocity Field of a Water Flow Under  
Sudden Increase in Depth, by B. A. Fidman,  
18 pp.

RUSSIAN, ~~Emo per~~, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, No 4, 1953, pp 512-522.

Sci Mus Lib No 55/1124  
Nat Res Lib TT-514

Sci - Physics  
CTS 71/Aug 1955

25,745

Mechanism of Oxidizing Copper Sulfide by Oxygen,  
by D. M. Chizhikov, G. S. Frents, B. Ya.  
Tratsovitskaya, 12 p.

RUSSIAN, per, Iz Ak Nauk SSSR, Otd Tekh Nauk,  
1953, No 4, pp 523-532.

MDP C-115

112, 039

Sci  
Apr 60  
Vol III, No 3

Problems in Theory of Combustion of Carbon and  
Coke and Trends in Development of Combustion and  
Gasification Technology of Solid Fuels, by Z. F.  
Chukhanov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 4, 1953, pp 562-598.

DSIR LLU RTS 1506

Sci - Phys

125,563

Sep 60

<p>Semenov, N. N. BASIC QUESTIONS OF THE CONTEMPORARY THEORY OF HOMOGENEOUS COMBUSTION IN UNIFORM GASBOUS SYSTEMS. [1963] 36p. 30 refs. Order from OTS or SLA \$3.60 63-14511</p> <p>Trans. of [Akademiya Nauk SSSR. <u>Otdelenie</u> <u>Tekhnicheskikh Nauk. Izvestiya</u>] 1953, no. 5, p. 708-729.</p> <p>A partial trans. (p. 708-709) is available from LC or SLA mi\$1.80, ph\$1.80 as 60-23012, F-TS-8192 [1959] [3]p.</p> <p>DESCRIPTORS: *Gases, *Combustion, Theory, Reaction kinetics, *Ignition, *Chain reactions, *Flame propagation, Velocity, Flammability, *Detonation, Shock waves.</p> <p>(Chemistry--Physical, TT, v. 10, no. 8)</p>	<p>63-14511</p> <p>I. Semenov, N. N.</p> <p>Office of Technical Services</p>
---	--

Calculation of Bearings Under Dynamic Load,  
by E. M. Gut'yar, 11 pp. UNCLASSIFIED

RUSSIAN, no per., Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, May 1953, No 5, pp 762-766.

Navy Tr 1154/BuShips 580

Scientific - Engineering  
Physics Mar 55 CTS/DEX

23,969

Influence of Slurry on Flotation of Coal Fines, by  
I. M. Plaksin, N. S. Vlasova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 6, 1953, pp 882-895.

ILL N. 4368

Sci - Min/Metals

194, 012

Apr 62

Temperature Dependence of the Oxidation of Mineral  
Fuels, by V. S. Veselovskiy, E. A. Terpogosova, 8 pp.

RUSSIAN, per, Izvestiya Akad.Nauk SSSR, Otdeleniye  
Tekhn.Nauk, No 6, 1953, pp 905-909.

Sci Tr Center RT-2279

~~Urgent~~  
Scientific - Minerals/metals

Nov 55  
CIS/DEX

28,260

Honor of Academician B. A. Vvedenskiy in Connection  
With His 60th Birthday. UNCLASSIFIED

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 6, 1953, p 947.

ATIC F-TS-8227

Scientific - Miscellaneous, scientist

Feb 54 CTS 9544

Investigation of the Process of the Combustion of  
Carbon in a Bed, by N. A. Karzhavina.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 7, 1953, pp 969-991.

DSIR LLU RTS 1509

Sci - Phys

Sep 60

125,565

On the Motion of Solid Particles in Gaseous Suspension, by G. N. Khudyakov, 19 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 7, 1953, pp 1022-1034.

Sci Tr Center  
RT-2241

Scientific - Physics

CTS 69/Jun 55

24721

On the Structure of Austenite at High Temperature, by  
I. A. Oding, M. G. Loginskiy, UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 7, 1953, pp 1035-1043.

Bruncher No 3274

\$9.40

Scientific - Min/Metals

15,476

Tendency Towards Spontaneous Ignition of  
Petrographic Types of Coal From the  
Prokop'evsk Deposits in the Kuzbass, by  
N. V. Marevich, A. B. Travin, 18 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel  
Tekh Nauk, No 8, 1955, pp 1110-1117.

Sci Tr Center  
RT-2282

Scientific - Chemistry  
CTS 70/Jul 55

25,225

Activity of Carbon and Oxygen in Iron-Carbon-Oxygen Melts, by A. M. Samarin, R. A. Karasev, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, 1953, pp 1130-1136.

No 8  
Assoc Tech Svc  
Sci Tr Center  
TRJ-168

Scientific - Physics

17,431

Table of Contents, 2 pp.

RUSSIAN, per, Iz Ak Nauk, Otd Tekh Nauk, No 9,  
1953, pp 1217-1367.

AF 604311

Dex only

USSR  
Scientific  
CIA 2203711

19  
~~89~~

Structural Changes in Metal During Creep, by B. N.  
Rovinskiy, L. M. Rybakova.

RUSSIAN, no pag., Iz Ak Nauk, SSSR, -~~REPRINTED~~  
Otdel Tekh Nauk, BM No 9, 1953, PP. 1241-1247

Brutcher Tr 3224

10,452

Mc - Min/Metals  
CIT/DEK

Price \$6.80

ST- 1514

Sy Ak Nauk, Otdel Tekhnauk,  
A  
#9, 1953, pp 1310-1364

The Coordinating Activity in  
Establishment of the Dept of  
technical sciences.

On the Structure of Carbonized Substances, by  
V. I. Kasatochkin, 32 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 10, 1401-1416, 1953

PP Sci Tr Ctr RT-3726

Sci - Chemistry  
Aug 56 CIS/dex

36881

(FDD 21949)

Some Regularities in the Predetonation Propagation of Flame, by V. A. Popov, 23 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10, Moscow/Leningrad, Oct 1953,  
PP 1428-1439.

CIA/FDD/U-6505

USSR  
Sci - Chemistry, combustion and explosives

18, 986

Gas Formation in the Combustion of a Powdered Carbon Bed, by E. S. Golovina.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 10, 1953, pp 1444-1451.

DSIR LLU RTS 1508  
SLA 61-13280

Sci - Phys

Sep 60

125,558

Structure and Properties of Nitrogen-Bearing Chromium Metal and Ferrochromium, by M. L. Korolev.

UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10,  
1953, pp 1465-1470.

Bratcher Tr 3264

Scientific - Minerals/Metals

Price \$5.90

11,957

Duration of Air-Bubble Attachment to Mineral  
Particles in the Flotation Process and Its  
Measurement, by V. A. Глебовский.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekhn Nauk,  
No 11, 1953, pp 1524-1531.

Dept of Interior  
TN7, E57, No 173

Sci ~ Chem

105,038

Jan 60

On the Nature of Turbulent Combustion, by Y. B.  
Sviridov, 30 pp.

RUSSIAN, no per., Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, No 11, 1953, pp 1577-1597.

NACA N 43503

Sci - Engineering, Physics, Aeronautics  
35, 237  
Jun 1956

Study of the Antiwear Properties of ~~Kadnik~~ Lubricants  
by Means of Radioactive Tracers, by Yu. S. Zaslavskiy,  
G. I. Shor, F. B. Lebedeva. UNCLASSIFIED

RUSSIAN, no per, Iz Ak Nauk, Otdel Tekh Nauk, No 11,  
1953, pp 1598-1608.

ATIC F-IS-8363

Scientific - Physics Dec 54 CTS/DEX

20, 318

TT-64-10355

Fidman, B. A.  
THE RESULTS OF THE MEASUREMENT OF TURBULENCE IN UNIFORM AND ABRUPTLY EXPANDING DUCTS (Rezul'taty Izmereniya Turbulentnosti v Ravnometernom i Rezko Raschiriyayushchemsya Potokakh), [1964] 25p (some refs omitted) 2refs  
Order from OTS, SLA, or ETC \$2.60 TT-64-10355

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1953, no. 11, p. 1630-1638.

(Mechanics--Hydrodynamics, TT, v. 11, no. 12)

I. Fidman, B. A.

Office of Technical Services

Distribution of Gas Pressure Near a Moving Free  
Surface of ~~free~~ Coal, by S. A. Khristianovich,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 12, 1953, pp 14 1673-1678

23,419

Co-op Tr Sch No 112  
L2. 6s. (6s. Od.)

Sci Pub Subj 56/4116

Scientific - Physics

May 55 CTS

The Eruption Wave (In a Coal Seam), by S. A.  
Khristianovich.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 12,  
1953, pp 1679-1688.

Sci Mus Lib Tr 57/0117  
Co-Op Trans Sch Tr 131

Sci - Geophysics  
Jul 57

49,372

The Pulverization Wave (In a Coal Seam), by  
S. A. Khristianovich.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 12,  
1953, pp 1689-1699.

Sci Mus Lib Tr 57/0118  
Co-Op Trans Sch Tr 132

Sci - Geophysics  
Jul 57

49,374

Solubility of Oxygen in Nickel-Chromium and Iron-Nickel-Chromium Melts, by S. V. Bezobrazov, A. M. Samarin.

Dec

RUSSIAN, per, Iz Ak Nauk SSSR, OTN, No 12, 1953,  
pp 1790-1796.

Brutcher Tr  
No 3417

20,889  
Scientific - Min/Metals

Jan 55 CTS/DEK

Controlling the Degree of Oxidation of Coking Coals, by V. G. Zashkvara, E. S. Krym, 14 pp.

RUSSIAN, per, Izvestiya Akademii Nauk SSSR.  
Otdelenie Tekhnicheskikh Nauk, No 12, 1953,  
pp 1819-1825.

Stal Trends Center RT-3262

Scientific - Technology Fve/s  
32,790

Apr 56

Certain Rules of Radiant Heat Exchange, by  
P. K. Konakov.

RUSSIAN, par., In Akad. Otdel Tekh. Nauk,  
No 12, 1953, p 1847.

Navy 2043/T-66

Sci - Physics  
Mar 59

83,126

The Investigation of the Wearing of a Cutting  
Instrument Using Radioactive Isotopes, by  
J. P. Nadejinskaya, 24 pp,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 1, 1954, pp 24-40.

Sci Mu Lib Tr No 55/0218

May 55 CTS

Scientific - Nuclear Physics, Engineering

Investigation of the Wearing Resistance of  
Cutting Tools by the Method of Radioactive  
Isotopes and Irradiation, by N. F.  
Kazakov.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel  
Tekh Nauk, Vol 1, 1954, pp 41-53.

Coop Tr Sch 145 Sci - Physics  
L5.4s. (13s.0d.) 5/1/272  
Sci - Physics  
Minerals/Metals  
Eng: M.C. 19 29,567

Accuracy of Engine Wear Investigation by the  
Radioactive Tracer Method, by Yu. S. Zaslavskiy.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 1, 1954, pp 54-60.

27,498

Assoc Tech Sv RJ-232  
\$8.40

Scientific - Chemistry [ ]  
OTS 33/Oct 1955

Study of Gas-Flow Distribution in Blast Furnaces  
With the Aid of a Model, by N. N. Chernov,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1,  
1954, pp 80-91.

AT&T RJ-919  
FTS 13J15F

Sci - Fuels  
Jul 59

91,256

The Effects of Oxygen on the Flotation of Galena  
and Chalcopyrite, by S. V. Bessonov, I. N.  
Plaksin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Nu Vol I, 1954, pp 114-127.

MLL RTS 1933

Sci - Chem

204, 826

Jul 62

Deformation of Bronzes, Subjected to Pressure,  
by S. M. Gubkin, I. A. Tsvaygel. UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 1, 1954, pp 128-137.

NLL. M. 4078  
British Iron and  
Steel Ind 1039  
(L2.15.0)

Sci - Min/Met  
Nov 58

75,900

Plotting the Boundaries of Limited Solubility in a  
Ternary System by the Microhardness Method, by  
V. M. Geazov, M. V. Zakharov, and M. V. Stephanova,  
8 pp.

RUSSIAN, per, Izvest, Akad, Nauk SSSR, Otdel Tekh  
Nauk, No 1, Jan 1954, pp 162-164.

SIA Tr R-1181

Sci

65,794

Relationship Between Surface Tension of Liquid Chromium-Nickel Alloys and Some Properties in Their Solid State, by O. S. Bobkova, A. M. Samarin,

RUSSIAN, per, IZ Ak Nauk, Otdel Tek Nauk,  
No 2, 1954, pp 52-59.

Brutcher Tr No 3373

Scientific - Min/Metals, Physics

13,730

V  
Investigation of the Properties of Molten Slag Components by an e.m.f. Method, by O. A. Esin,  
B. M. Lepinskikh

RUSSIAN, per Izvestiya Akademii Nauk SSSR, Otdelenie  
Tekhnicheskikh Nauk, No 2, 1954, pp 60-66.

(a)  
National Research Library TT.575  
Ottawa, Canada

32,715

Scientific - Chemistry

Apr 56

Peculiarities of the Deformation in Monocrystalline and Polycrystalline Copper on Heating to High Temperatures in a Vacuum, by M. Lozinskiy, S. Fedotov.

RUSSIAN, per, Izvest Akad Nauk O. T. N., Vol XII, 1954, pp 92-96.

UKSM QB 43

Sci - Minerals/Metals  
Feb 58

58, 551

On the Mechanism of Action of Certain Reagents and  
the Aeraction of the Pulp During Coal Flotation, by  
V. I. Kauk Klassen, I. N. Plaskin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, 1954, pp 62-71.

NLL M. 4257

Sci - Min/Metals

194, 215

May 62

Processes Occurring in the Bosh of the Blast Furnace, by I/ P. Bardin, M. Ya. Ostroukhov,

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, 1954, pp 72-81.

25,290

Brutcher Tr 3525  
# 5.80

Scientific - Min/Metals Jul 55 CTS

Growth Rate of the Martenfistic Crystal, by A. N.  
Alfimov, A. P. Gulyayev, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, 1954, pp 88-90.

AEC UCRL-Trans-665(L)

Sci - Chem  
Aug 61

165, 395-

Sources of Nonmetallic Inclusions in Bearing Steel  
Identified by Use of Radioactive Calcium, by V.A.  
Grigoryan, A. M. Samarin.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, Mar 1954, pp 91-101.

Henry Brutcher Tr 3858

Sci - Minerals/Metals \$6.80  
Feb 1957 CTS  
*43, 899*

Effect of Blowing With Carbon Monoxide Gas in  
Electric Furnaces Upon Steel Quality, by A. V.  
Vishnyakov, A. N. Samarin.

RUSSIAN, no pag; Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, Mar 1954, pp 102-109.

Henry Brutcher  
Tr 3926  
\$8.80 50,736

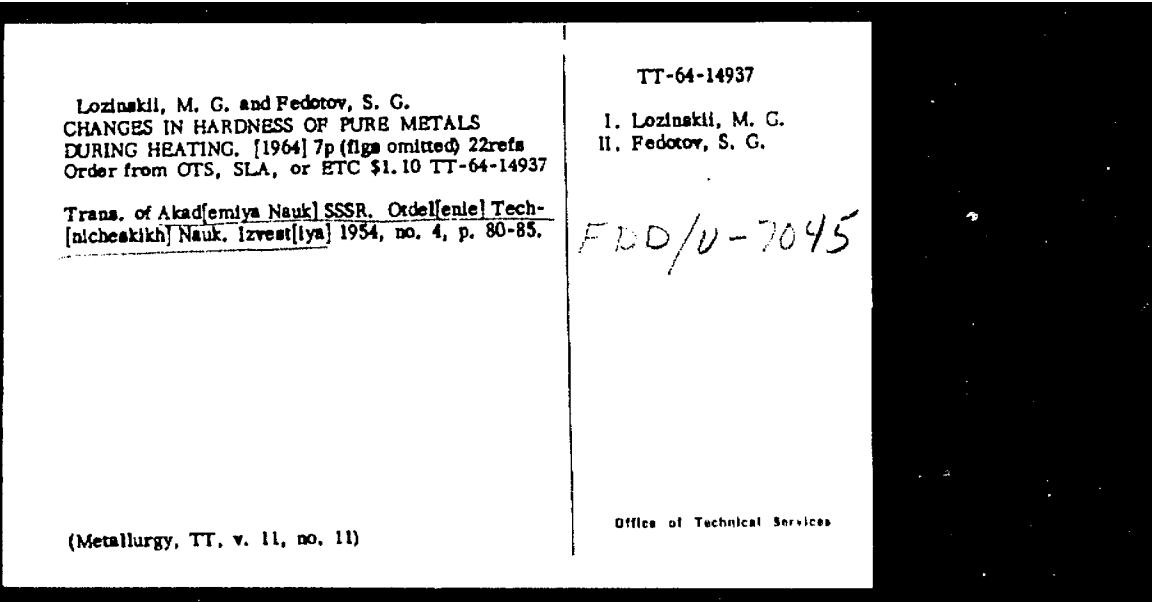
Sci - Min/Metals, Metallurgy  
Aug 57

The Effect of the Material and of the Mechanical Treatment of the Surface on the Heat Exchange in the Boiling of Water, by E. K. Averin, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, 1954, pp 116-122.

Sci Mus Lib Tr 55/2767  
A.E.R.E. Tech SV AJ-305  
X.  
A.E.R.E. Lib Tr 562  
30,855

Sci - Chemistry  
Physics



Use of Low Temperature Peat, by E. M. Taits, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 4, 1954, pp 100-106.

*See TR 57/431*  
Co-op Tr Sch Tr 137  
~~xxxxxx~~ L2.8s. (7s.0d)

*26,769*

Scientific - Chemistry

Sep 55 CTS

Initial Phase of Oxidation of Coals as a  
Surface Phenomenon, by V. S. E Veselovskii,  
G. L. Orleanskaya, 13 pp.

RUSSIAN, no par; Investiia Akademii Nauk SSSR.  
Otdelenie Tekhnicheskikh Nauk, No 4, 1954,  
pp 140-146.

Sci Tr Center RR-4614

Scientific - Technology File  
Jan 56 CTS

42, 309  
Dep. of Defense  
L. M. Gorbunova, Sec. Libr.  
Rev. of Sov. Sci. & Ind.  
TN 1965, no 244

Diffusion Combustion of Carbon, by S. S. Golovinsk.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekhn Nauk,  
No 4, Moscow, 1954, pp 147-151.

Dept of Interior  
US Bur of Mines  
Central Experiment Station  
Pittsburgh, Pa. Tr 284

SCI - Chem

May 59

37,486

Inhibitors of Low Temperature Oxidation of Mined  
Coal, by E. A. Terpogosova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 4, 1954, pp 147-151.

Co-Op Tr Sch No 192  
\$2. (5s.0d.)

Sci - ~~Machinery, Chemistry~~

Fuels

39,323

SLA R-3117

The Effect of the Size of Crystal Grains on the  
Stress Relaxation in Pure Metals, by V. G. Liutsau,  
B. M. Rovinskiy, 11 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 5, 1954, pp 91-94.

SLA R-1004

May 58

63,863

Structure of Region of Cavitation, by  
K. K. Shal'nev, 57 pp.  
RUSSIAN, per, An Ssr. Izvestiya. Otdeleniye  
Tekhnicheskikh Nauk, No 5, 1954, pp 119-146.  
F100185968-V  
FTD-MT-65-556

Sci/Phys  
Sept 68

364,953

The Structure of the Cavitation Region, by K.K.  
Shkal'nyev, 39 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 5, 1954, pp 120-146.

CIA/FDD/Z-239

Sci - Engineering

37, 442

Aug 1956

The Temperature Field of a Turbine Disc, by  
A. G. Kostyuk, 17 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6  
1954, pp 25-36.

Sci Mu Lib Tr 55/1421

26, 761

1954  
K-142

Sep 55 CMS

Scientific - Physics,

On the Question of Choosing the Method of  
Designing the Blade Length of Turbine Stages,  
by V. G. Tyryshkin, 13 pp.

A K Nauk  
RUSSIAN, per, Iz AN SSSR, Otd Tekh Nauk, No 6,  
1954, pp 37-44.

Morris D. Friedman T-123  
\$6.50

Sci. Engineering 26,854  
Sep 1955 CTB/DEX

On Pneumatic Servomechanisms, by V. M. Chelomey,  
20 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 6, 1954, p 39.

Morris D. Friedman C-101  
\$10.00 (L4.16s -  
2000 141 (125.0d)  
CTS 67/Apr 55

Scientific - Physics

22, 952